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Notice of Allowability

Application No.

10/798,745

Examiner

Pranav V. Khatri

Applicant(s)

MATSUI ET AL.

Art Unit

2872

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6 September, 2005.
2. ☒ The allowed claim(s) is/are 1-9 and 14-16.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper-No./Mail Date <u>06/07/2004</u> | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

Allowable Subject Matter

Claims 1-9 and 14-16 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: claims are allowable at least for the reason that the prior art does not teach or reasonably suggest a polygon mirror having an assembling reference that is rougher than the machining reference surface and is used as a reference surface for bonding the polygon mirror to the connection member with an adhesive.

Urakawa (5,359,460) teaches a polygon mirror that has a reflection surfaces on each of the circumferential surfaces and has through holes that are filled with an adhesive to fix the polygon mirror, but Urakawa lacks the teaching of an assembling reference that is rougher than the machining reference surface and is used as a reference surface for bonding the polygon mirror to the connection member with an adhesive.

Konno et al. (5,596,443) teaches a polygon mirror that has reflection surfaces on each of the circumferential surfaces and teaches of bonding of a plastic ring between a polygon mirror and a ceramic ring, but Konno et al lacks the teaching of an assembling reference that is rougher than the machining reference surface and is used as a reference surface for bonding the polygon mirror to the connection member with an adhesive.

Ishizuka et al. (5,661,588) teaches a polygon mirror that is fixed to a hub and the hub is rotatably supported with respect to a fixed shaft by ball bearings, and the fixed

shaft is erected at the center of the frame, but Ishizuka et al. lacks the teaching of an assembling reference that is rougher than the machining reference surface and is used as a reference surface for bonding the polygon mirror to the connection member with an adhesive.

Suzuki (6,449,000) teaches a deflection scanning apparatus comprises a rotation shaft rotatably supported by bearing fixed on a base, a rotor fixed to the shaft, a rotary polygon mirror, but Suzuki lacks the teaching of an assembling reference that is rougher than the machining reference surface and is used as a reference surface for bonding the polygon mirror to the connection member with an adhesive.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pranav V. Khatri whose telephone number is 571-272-8311. The examiner can normally be reached on M-F, 8:30-4:00.

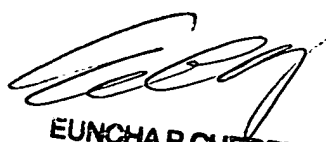
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Drew Dunn can be reached on 571-272-2312. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/798,745
Art Unit: 2872

Page 4

Pranav Khatri
Examiner
Art Unit 2782



EUNCHA P. CHERRY
PRIMARY EXAMINER